

PVS-7

Night vision goggle



Description:

The PVS-7 is a Single Tube Night Vision Goggle. It is intended for Observation, Surveillance and Land Navigation providing increased Versatility while eliminating the need to carry multiple types of specialized equipment. Lightweight, Ridged and well Balanced, PVS-7 can be hand-held or worn on a head-mask for hands-free operation. In addition to a flexible Carrying case, a neck strap is provided for operators comfort. PVS-7 utilizes High Performance Image Intensifier Tube with an integrated power supply, which provides Automatic Brightness Control (ABC) and Bright Source Protection (BSP) to guard against exposure to high levels of light. It is fully compatible with all types of laser and laser designators.

System Features:

- Lightweight, Rugged, Humidity Protected
- Hands Free Operation when worn with Head masks
- NBC compatible
- Build-in IR illuminator for map reading
- Momentary IR switch
- IR operation indicator
- Low battery indicator
- Automatic shut down when detached from head mask
- Built-in sensor for High Light automatic shut down
- A-focal Clip-On Objective- x3; x4; x5 (Optional)

Mission Dedicated:

- Handheld Goggles
 - Navigation
 - Map Reading
 - Observation
- Face Mask/Helmet mounted
 - Hands Free operation
 - Navigation, Engagement
 - NBC compatible
- X3/X4/x5 Magnification Objective lens
 - Medium to Long Range Observation
 - Fire Control

Technical Specification:

Optical

- Magnification: X1
- Field of View (FOV): 40°
- Objective focal length: 26 mm
- Focus range: 0.25m to infinity
- Diopter adjustment: +2 to -6
- Exit Pupil/Eye relief: 10mm/15 mm
- Interpupillary Distance 53..72mm

Electrical:

- Input voltage: 2.2 to 3.1 VDC
- Battery type: 2 AA or NiCd
- Voltage Polarization: Protected
- Electrical switch: OFF/ON/Pull-IR
- IR Operation Indicator: Eyepiece FOV
- Low Battery Indicator: Eyepiece FOV

Environmental

- Operating temperature: - 45°C ... +50°C
- Storage temperature: - 55°C ... +60°C
- Immersion: 1 m for 30 min.

Mechanical:

- Goggle weight : 570 gr
- Length/Width/Height: 150x152x77 mm
- On-Mask adjustments: One hand
- Flip-up/Flip-down: One hand operation